

FL3500

SIMPLE



AND

POWERFUL

- **FINGERPRINT RECOGNITION**
- **AUDIT TRAIL**
- **TIMELOCK**
- **TIMEDELAY**
- **DUAL OPENING**
- **WRONG TRY PENALTY**
- **INCLUDED PC SOFTWARE**
- **TWO LOCK MANAGEMENT**
- **UP TO 50 USERS**
- **THREE MANAGEMENT LEVELS**

- **Very high security level:** Unlike any lock, FL3500 gives the user no other option than being physically present to operate the lock. Fake or dead fingers or fingerprint pictures cannot cheat its sensor.
- **Proven audit trail:** Audit trails based on keys or combinations are not definite evidence of the user's presence. Only a biometric system proves that the recorded event was actually performed by the person the user claims to be.
- **Verification or Identification mode:** The powerful recognition software gives the option to use the FL3500 lock in either verification (one-to-one) or identification (one-to-many) mode.
- **Integration to an existing system:** Thanks to its various possible configurations (combination, Dallas Tag or Fingerprints only), the FL3500 lock can easily be integrated in an already installed security concept.
- **Remote features:** The FL3500 lock can be connected through a standard RS232 communication port to retrieve status information and enable users for a limited period of time.

FL3500

PRINCIPLE OF USE

• Users

1. Press the ON button or place your Dallas tag on the connectors
2. Place your finger on the sensor
3. Open

• Managers

Management of users can be performed easily and rapidly in stand-alone mode, without using a PC, or in a more sophisticated way with the assistance of the FL3500 PC software in connected mode.

Day-to-day operation parameters can be configured through the FL3500 software. This software can be accessed when the door is open and the lock is connected to a PC by a special serial cable supplied by the manufacturer. The software can be used for ten minutes following the manager's positive recognition.

Note: No data is stored on the PC. As soon as the PC is connected, the lock sends all its parameters. It is therefore not necessary to use the same PC each time.

To use the software

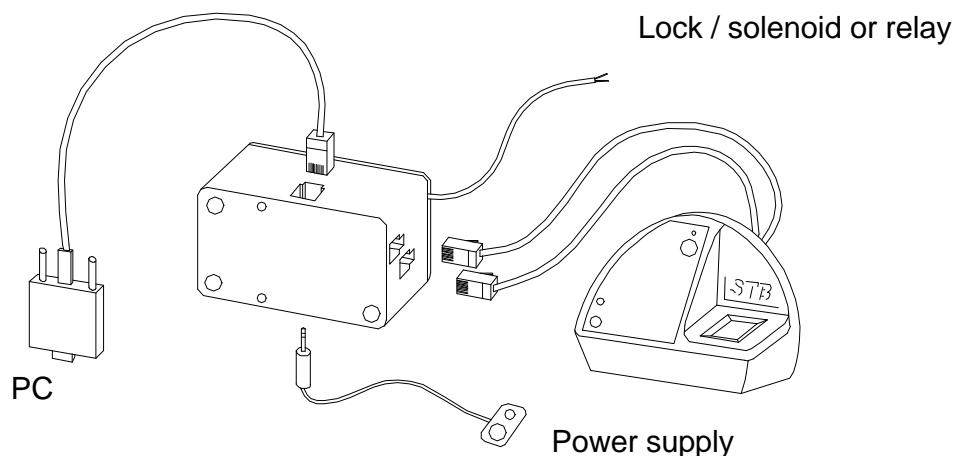
1. Connect the lock to the PC through the special RJ45/DB9 cable.
2. Start the FL3500 software by clicking on the icon.
3. Confirm the serial port used by the PC (COM1, COM2...)
4. Identify yourself as a manager.



• Master

Master mode (also called Installer mode) gives access to all parameters, such as remote connection, power supply, minimal Time Delay, or en(dis)abling of managers override. A special master code, as well as positive manager identification is required to access this software level.

SYSTEM DESIGN

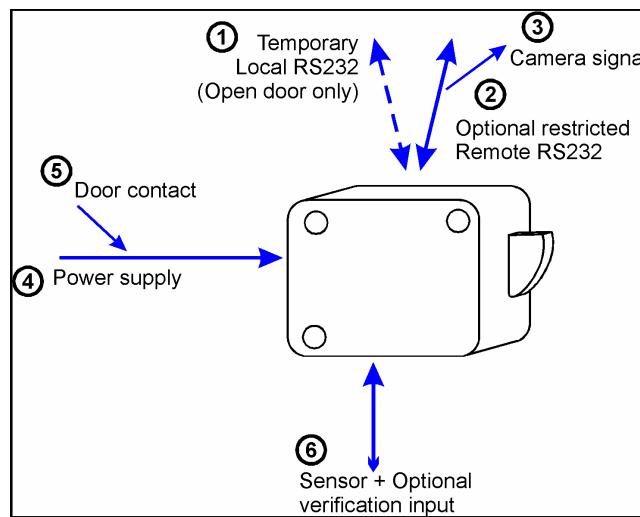


The captured fingerprint is transmitted from the sensor to the database/calculator located **inside the protected area**. The lock board receives the answer as to whether or not the fingerprint is stored in the database, and checks whether its owner is who he claims to be. It then also verifies if this user has the right to operate the lock at this time and under the current conditions.

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CONNECTIONS

The FL3500 lock has multiple connection capabilities, either standard or optional.



FL3500 SOFTWARE

• Technical data:

- Operating system: Windows 95, 98, ME or XP
- Software size: 780 Ko
- Required memory: 128Kb

• Features

- Date and time setting
- Enrolling and deleting users in stand-alone mode
- Setting of Timelock parameters:
 - o Standard week (2 openings + 2 closings per day)
 - o Four shift programs
 - o Annual program (15 holidays + 2 vacation period)
 - o Exceptions to the standard week (5 unique events)
- Setting of Time delay parameters:
- Managers administration
 - o Opening, deleting and enrolling fingers
 - o Single or dual opening
 - o Multiple locks management
 - o Timelock features
- Users administration
 - o Opening finger
 - o Single or dual opening
 - o Multiple locks management
 - o Timelock features
 - o Remote activation
- Audit trail
- Complete data backup in text format (users, managers, configuration, parameters)



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The lock status and events are transmitted to the user through a 3-colour LED.
The following codes are used:

Status / Event	Green	Orange	Red	Note
Lock asleep				
Waiting for a TAG / PIN				
Waiting for a finger	Green			
Wrong TAG or PIN			Red	
Wrong fingerprint			Red	
Waiting for new TAG or PIN		Yellow		Blinking
Waiting for new finger	Green			Blinking
Waiting for TAG or PIN to be deleted		Yellow	Red	Alternately
Waiting for finger to be deleted	Green		Red	Alternately
Lock open	Green			Fast blinking during opening
Low battery		Yellow		Fast blinking during opening
System default			Red	Fast blinking during opening
Opening attempt during Timelock period	Green	Yellow	Red	G: 0.5s O: 0.5s R: 1s
Opening attempt in dual mode with non authorized user	Green	Yellow	Red	G: 0.5s O: 0.5s R: 1s
Time delay	Green	Yellow		Alternately, every 10 seconds
Opening window				2 blinks every 10 seconds
Penalty period		Yellow	Red	Alternately, every 10 seconds
Desynchronized clock			Red	Blinking during opening

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